

SCREENING SITE INSPECTION REPORT

FOR

THE HOOVER COMPANY

NORTH CANTON, OHIO

U.S. EPA ID: OHD980614036

SS ID: NONE

TDD: F05-9002-027

PAN: FOH0382SA

US EPA RECORDS CENTER REGION 5



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TABLE OF CONTENTS

<u>Section</u>		<u>Page</u>
1	INTRODUCTION.....	1-1
2	SITE BACKGROUND.....	2-1
	2.1 INTRODUCTION.....	2-1
	2.2 SITE DESCRIPTION.....	2-1
	2.3 SITE HISTORY.....	2-1
3	SCREENING SITE INSPECTION PROCEDURES AND FIELD OBSERVATIONS.....	3-1
	3.1 INTRODUCTION.....	3-1
	3.2 SITE REPRESENTATIVE INTERVIEW.....	3-1
	3.3 RECONNAISSANCE INSPECTION.....	3-1
	3.4 SAMPLING PROCEDURES.....	3-2
4	ANALYTICAL RESULTS.....	4-1
5	DISCUSSION OF MIGRATION PATHWAYS.....	5-1
	5.1 INTRODUCTION.....	5-1
	5.2 GROUNDWATER.....	5-1
	5.3 SURFACE WATER.....	5-3
	5.4 AIR.....	5-3
	5.5 FIRE AND EXPLOSION.....	5-4
	5.6 DIRECT CONTACT.....	5-4
6	REFERENCES.....	6-1

Table of Contents (Cont.)

<u>Appendix</u>	<u>Page</u>
A SITE 4-MILE RADIUS MAP.....	A-1
B U.S. EPA FORM 2070-13.....	B-1
C FIT SITE PHOTOGRAPHS.....	C-1
D U.S. EPA TARGET COMPOUND LIST AND TARGET ANALYTE LIST QUANTITATION/DETECTION LIMITS.....	D-1
E WELL LOGS OF THE AREA OF THE SITE.....	E-1

LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
2-1	Site Location.....	2-2
3-1	Site Features.....	3-3
3-2	On-Site Soil Sampling Locations.....	3-5
3-3	Off-Site Soil Sampling Location.....	3-7

LIST OF TABLES

<u>Table</u>		<u>Page</u>
4-1	Results of Chemical Analysis of FIT-Collected Soil Samples.....	4-2

1. INTRODUCTION

Ecology and Environment, Inc., Field Investigation Team (FIT) was tasked by the United States Environmental Protection Agency (U.S. EPA) to conduct a screening site inspection (SSI) of The Hoover Company (Hoover) site under contract number 68-01-7347.

The site was initially discovered in 1981 when J. M. Harroff, Vice President of Engineering of The Hoover Company, North Canton, Ohio, submitted a section 103(c) Notification of Hazardous Waste Site form to U.S. EPA stating that plating wastes had been disposed of at the site (U.S. EPA 1981).

The site was evaluated in the form of a preliminary assessment (PA) that was submitted to U.S. EPA. The PA was prepared by Kevin Palombo, Ohio Environmental Protection Agency (OEPA), Northeast District Office, and is dated January 30, 1985 (U.S. EPA 1985).

FIT prepared an SSI work plan for the Hoover site under technical directive document (TDD) F05-8701-021, issued on January 5, 1987. The SSI work plan was approved by U.S. EPA on February 12, 1990. The SSI of the Hoover site was conducted on May 16, 1990, under TDD F05-9002-027, issued on February 28, 1990.

The FIT SSI included a reconnaissance inspection of the site and the collection of seven soil samples.

The purposes of an SSI have been stated by U.S. EPA in a directive outlining Pre-Remedial Program strategies. The directive states:

All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined

preliminary HRS [Hazard Ranking System] score, 2) establish priorities among sites most likely to qualify for the NPL [National Priorities List], and 3) identify the most critical data requirements for the listing SI step. A screening SI will not have rigorous data quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as NFRAP [no further remedial action planned], or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA [Resource Conservation and Recovery Act].... Sites that are designated NFRAP or deferred to other statutes are not candidates for a listing SI.

The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to another authority will receive a listing SI. (U.S. EPA 1988)

U.S. EPA Region V has also instructed FIT to identify sites during the SSI that may require removal action to remediate an immediate human health or environmental threat.

2. SITE BACKGROUND

2.1 INTRODUCTION

This section presents information obtained from SSI work plan preparation and the reconnaissance inspection of the site.

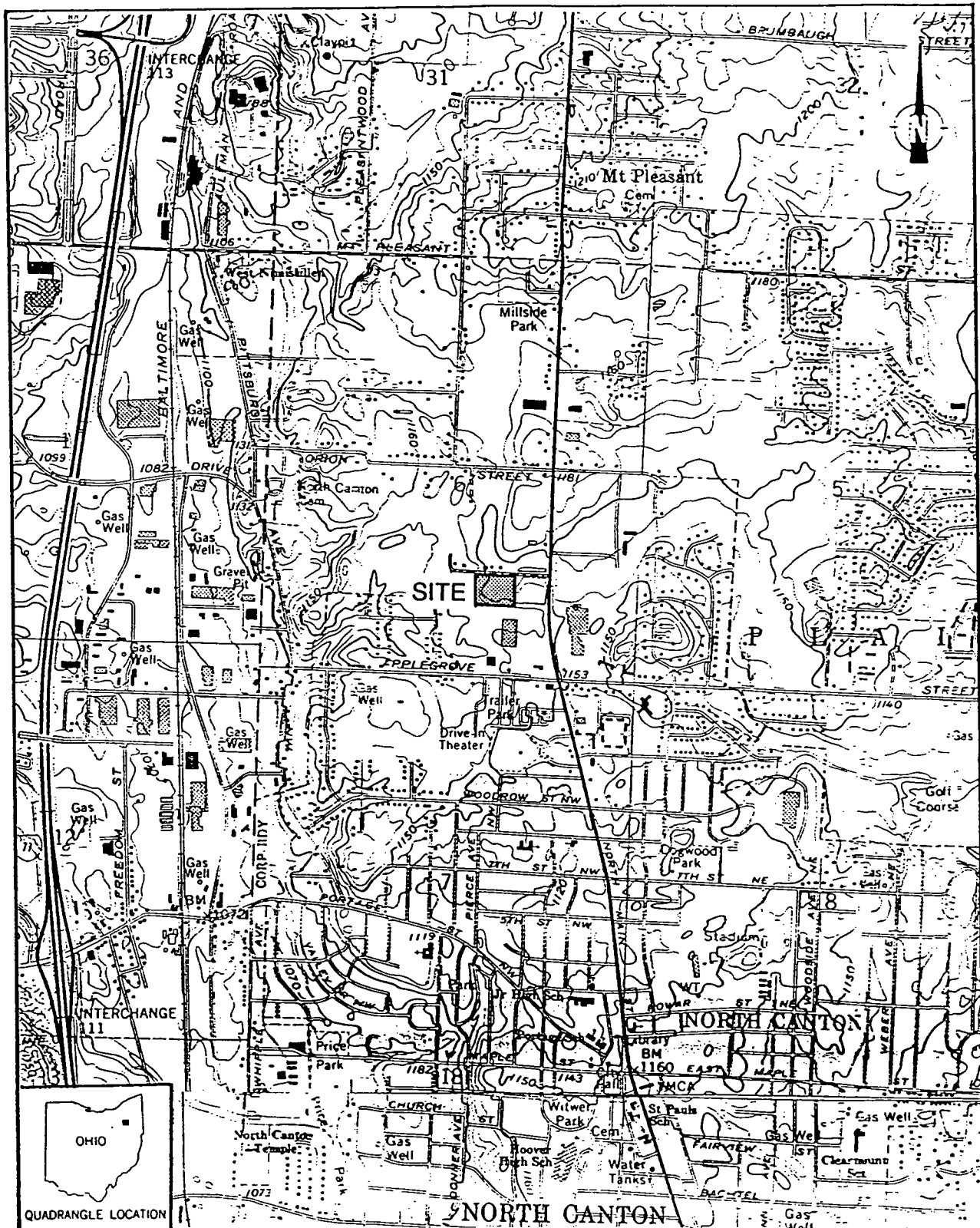
2.2 SITE DESCRIPTION

The Hoover site is an approximately 2-acre parcel of land formerly used by the The Hoover Company as a landfill. Unknown quantities of plating rinse wastes and solvent wastes from degreasing operations that took place at The Hoover Company's plant located at 101 East Maple Street, North Canton, Ohio, were disposed of at the site. The site is located on Stratavon Drive, in Stark County, North Canton, Ohio (N1/2SW1/4SE1/4 sec. 6, T.11N., R.8W.) (see Figure 2-1 for site location).

A 4-mile radius map of the Hoover site is provided in Appendix A.

2.3 SITE HISTORY

Prior to 1968, the site was strip-mined for coal to depths of less than 50 feet (U.S. EPA 1981). The Hoover Company, an electrical appliance manufacturer, bought the site in 1968. Wastes from The Hoover Company's Plant #1, located at 101 East Maple Street, North Canton, Ohio, were deposited on-site in natural and constructed earthen depressions. Of the wastes known to have been deposited on-site, according to the 103(c) Notification of Hazardous Waste Site form, only sludges removed from the plant's wastewater treatment system (approx-



SOURCE: USGS, North Canton, OH Quadrangle, 7.5 Minute Series, 1967, photorevised 1984; Canton West, OH Quadrangle, 7.5 Minute Series, 1987, photorevised 1978.

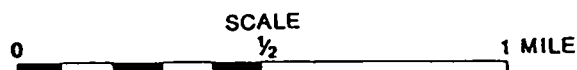


FIGURE 2-1 SITE LOCATION

mately 80,000 cubic feet) could be classified as hazardous. These sludges included plating rinse wastes (F006) from plating operations and solvent wastes (F001) from the degreasing operations at the plant.

The Hoover Company used the site for waste disposal from 1968 to 1974. Since 1974, the site has been inactive (U.S. EPA 1981). It is not known whether any type of waste management activity took place on-site during the site's ownership by The Hoover Company.

In 1973, The Hoover Company sold the site to Developers Diversified of Cleveland, Ohio (Collier 1990). In 1982, Developers Diversified sold the site to Concord Assets Group of Boca Raton, Florida (Center 1990). Concord Assets Group has yet to decide what type of activities will take place at the site (Center 1990). No regulatory/remedial actions are known to have taken place at the site.

3. SCREENING SITE INSPECTION PROCEDURES AND FIELD OBSERVATIONS

3.1 INTRODUCTION

This section outlines procedures and observations of the SSI of the Hoover site. Individual subsections address the site representative interview, reconnaissance inspection, and sampling procedures. Rationales for specific FIT activities are also provided. The SSI was conducted in accordance with the U.S. EPA-approved work plan.

The U.S. EPA Potential Hazardous Waste Site Inspection Report (Form 2070-13) for the Hoover site is provided in Appendix B.

3.2 SITE REPRESENTATIVE INTERVIEW

No interview was conducted during the SSI of the Hoover site because the site owner was unable to attend on May 16, 1990. A telephone conversation between FIT and Tom Center, Concord Assets Group, revealed no new information to aid in conducting SSI activities.

3.3 RECONNAISSANCE INSPECTION

FIT conducted a reconnaissance inspection of the Hoover site and surrounding area in accordance with Ecology and Environment, Inc. (E & E), health and safety guidelines. The reconnaissance inspection began at 10:45 a.m. and included a walk-through of the site to determine appropriate health and safety requirements for conducting on-site activities and to make observations to aid in characterizing the site. FIT also determined sampling locations during the reconnaissance inspection. FIT was not accompanied by site representatives during the reconnaissance inspection.

Reconnaissance Inspection Observations. The Hoover site is located on the north side of North Canton, Ohio, just inside the corporate limits. An open field lies to the west and southwest of the site, a K-Mart department store lies to the southeast, a swampy area lies to the east, a field lies to the northeast, and Gentz Body Shop, Cameron Flooring, and a few residences lie to the north of the site, across Stratavon Drive (see Figure 3-1 for site features).

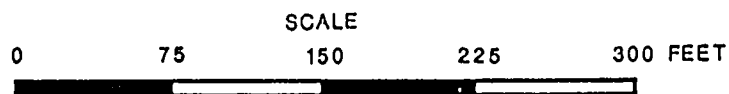
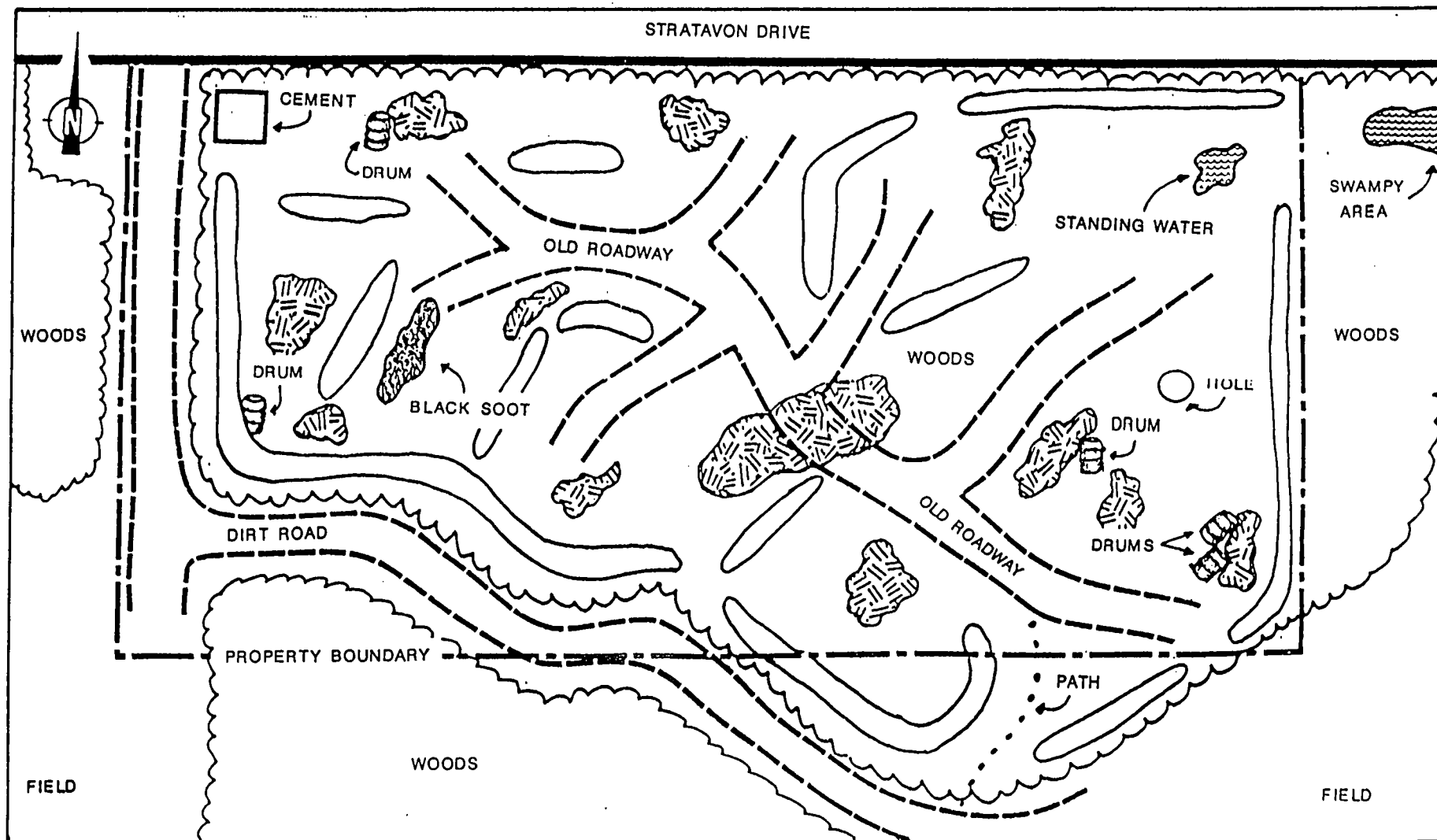
The surface topography in the area of the site is relatively flat. However, the surface topography of the site is very irregular due to the strip-mining of coal in the past. In the northwest corner of the site, FIT observed a cement slab, approximately 8 feet by 8 feet, that appeared to cover a hole. On the western end of the site was an area of black soot. This area had less vegetation than other areas of the site.

An old roadway with several branches runs diagonally across the site, from the southeast corner to the northwest corner. An area of standing water was observed in the northeast corner of the site. Approximately 100 feet south of the standing water was a hole approximately 10 inches in diameter that contained water. A dirt road runs from Stratavon Drive along the west boundary of the site, turns southeast and runs to an open field. A footpath was located in the southeast corner of the site. FIT observed many berms and several areas of exposed drums and other debris throughout the site. The site is wooded. No leachate collection systems or liners were observed on-site. No means of restricting access to the Hoover site was observed.

FIT photographs from the SSI of the Hoover site are provided in Appendix C.

3.4 SAMPLING PROCEDURES

Samples were collected by FIT at locations selected during the reconnaissance inspection to determine whether U.S. EPA Target Compound List (TCL) compounds or Target Analyte List (TAL) analytes were present at the site. The TCL and TAL are included with corresponding quantitation/detection limits in Appendix D.



LEGEND



FIGURE 3-1 SITE FEATURES

On May 16, 1990, FIT collected six surface and subsurface soil samples and one potential background surface sample. An offer to share a portion of each soil sample with the site representative was declined.

Soil Sampling Procedures. Surface soil sample S2 was collected on the west side of the site from an area of black soot with stressed vegetation, at a depth of 6 to 8 inches below the ground surface (see Figure 3-2 for on-site soil sampling locations). Surface soil sample S3 was collected from a low area on the old roadway at the east end of the site. Sample S3 was collected at a depth of 0 to 6 inches below the surface. Surface soil sample S4 was collected at the east end of the site from an area of wet clay with little vegetation. Sample S4 was also collected at a depth of 0 to 6 inches.

Subsurface soil sample S5 was collected from a deep hole in the ground approximately 150 feet north of sampling location S4. This hole was more than 7 feet deep and was approximately 10 inches in diameter at the ground surface and approximately 2 feet in diameter below the surface. The hole contained water at approximately 1 foot in depth. Sample S5 was collected approximately 2 1/2 feet below the ground surface. Subsurface soil sample S6 was collected just west of the standing water at the east end of the site, approximately 150 feet north of sampling location S5. This sample was collected at a depth of approximately 2 feet. Water was encountered at this location at approximately 1 foot in depth. Sample S7 was collected at the east end of the site, east of a debris pile that contained some old, rusty drums. Surface soil sample S7 was collected at a depth of 2 to 4 inches below the surface.

Sampling locations S2, S3, and S4 were selected to determine whether TCL compounds or TAL analytes were present at the surface in the site area. Sampling locations S5 and S6 were selected to determine whether TAL analytes or TCL compounds were present below the surface in the site area. Sample S7 was collected to determine whether TCL compounds or TAL analytes had leaked out of the drums deposited on-site.

Samples S2, S3, S4, and S7 were collected with a hand trowel and stainless steel spoons. Subsurface sample S5 was collected with a shovel, and subsurface sample S6 was collected using a hand auger. The portions of the samples collected for volatile organic analysis were

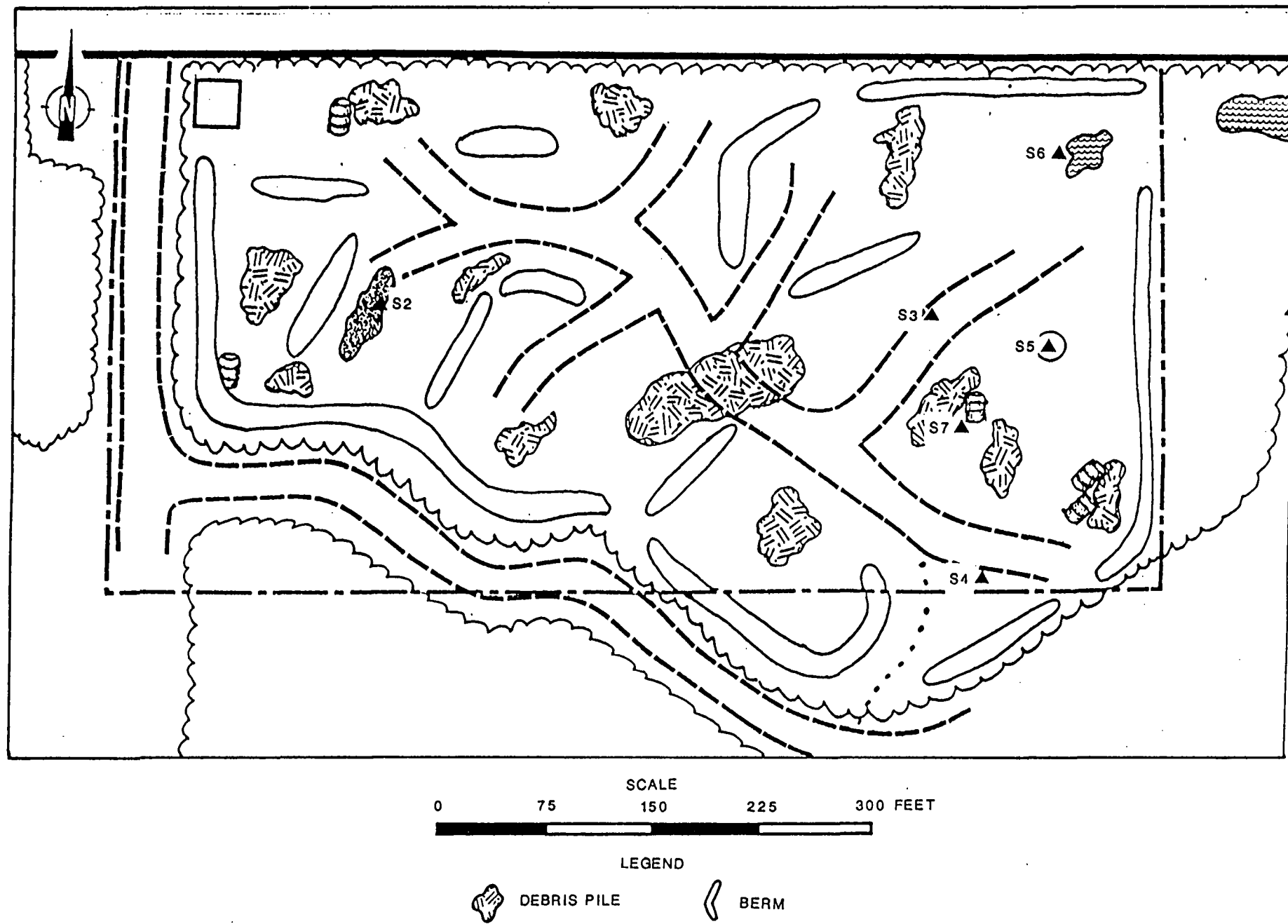


FIGURE 3-2 ON-SITE SOIL SAMPLING LOCATIONS

placed directly into sample bottles using stainless steel spoons. The remaining sample portions were collected with stainless steel spoons, placed in stainless steel bowls, mixed, and then transferred to sample bottles.

A potential background soil sample (designated as S1) was collected from a well-vegetated area approximately 1/10 mile south of the site (see Figure 3-3 for off-site soil sampling location). The potential background sample was collected to determine the representative chemical content of the soil surrounding the site. The location was selected because the ground surface appeared to be in an undisturbed state. Sample S1 was collected with a hand trowel at a depth of approximately 5 inches. The sample was then handled in the same manner as the other soil samples.

Standard E & E decontamination procedures were adhered to during the collection of all soil samples. The procedures included the scrubbing of all equipment (e.g., trowels, spoons, shovels, augers, and bowls) with a solution of detergent (Alconox) and distilled water, and triple-rinsing the equipment with distilled water before the collection of each sample (E & E 1987). All soil samples were packaged and shipped in accordance with U.S. EPA-required procedures.

As directed by U.S. EPA, all soil samples were analyzed using the U.S. EPA Contract Laboratory Program (CLP).



SOURCE: USGS, North Canton, OH Quadrangle, 7.5 Minute Series, 1967, photorevised 1984; Canton West, OH Quadrangle, 7.5 Minute Series, 1987, photorevised 1978.

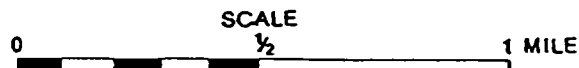


FIGURE 3-3 OFF-SITE SOIL SAMPLING LOCATION

4. ANALYTICAL RESULTS

This section presents results of the chemical analysis of FIT-collected soil samples for TCL compounds and TAL analytes. All samples were analyzed for volatile organics, semivolatile organics, pesticide/polychlorinated biphenyls (PCBs), metals, and cyanides. Complete chemical analysis results of FIT-collected soil samples are provided in Table 4-1. In addition, significant tentatively identified compounds (TICs) detected in the analysis of FIT-collected samples are also provided in Table 4-1.

Quantitation/detection limits used in the analysis of soil samples are provided in Appendix D.

The analytical data for the chemical analysis of soil samples collected for this SSI have been reviewed by U.S. EPA for compliance with terms of CLP, and the review has been approved by U.S. EPA. The analytical data have also been reviewed by FIT for validity and usability. Any additions, deletions, or changes to the data have been incorporated in the chemical analysis results tables presented in this section.

Table 4-1
RESULTS OF CHEMICAL ANALYSIS OF
FIT-COLLECTED SOIL SAMPLES

Sample Collection Information and Parameters	Sample Number						
	S1	S2	S3	S4	S5	S6	S7
Date	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90
Time	1450	1210	1220	1230	1315	1325	1340
CLP Organic Traffic Report Number	EJW09	EJW10	EJW11	EJW12	EJW13	EJW14	EJW15
CLP Inorganic Traffic Report Number	MEKP01	MEKP02	MEKP03	MEKP04	MEKP05	MEKP06	MEKP07
<u>Compound Detected</u> (values in $\mu\text{g/kg}$)							
<u>Volatile Organics</u>							
carbon disulfide	—	8J	—	—	—	—	—
trichloroethene	—	14J	—	—	—	11J	10J
tetrachloroethene	—	—	—	—	5J	—	—
<u>Semivolatile Organics</u>							
2,4-dimethylphenol	—	—	—	—	—	—	130J
benzoic acid	—	—	—	—	77J	78J	330J
naphthalene	—	48J	95J	—	130J	200J	260J
2-methylnaphthalene	—	64J	140J	—	280J	260J	220J
acenaphthylene	—	—	—	—	150J	—	—
dibenzofuran	—	—	—	—	120J	52J	—
fluorene	—	—	—	—	210J	—	—
hexachlorobenzene	4,100	—	—	—	—	—	—
phenanthrene	—	—	210J	—	1,300	340J	820
anthracene	—	—	—	—	320J	—	—
di-n-butylphthalate	—	—	—	—	—	520	2,600
fluoranthene	70J	—	230J	—	1,400	360J	1,000
pyrene	66J	—	240J	—	1,600	400J	990
benzo[a]anthracene	—	—	99J	—	760	240J	—
chrysene	—	—	150J	—	720	250J	600J
bis(2-ethylhexyl)phthalate	—	73J	200J	43J	410J	1,100	4,100
di-n-octylphthalate	—	—	—	—	—	—	260J

Table 4-1 (Cont.)

Sample Collection Information and Parameters	Sample Number						
	S1	S2	S3	S4	S5	S6	S7
benzo[b]fluoranthene	79J	—	240J	—	1,000	470J	1,100J
benzo[a]pyrene	—	—	100J	—	590J	170J	390J
indeno[1,2,3-cd]pyrene	—	—	68J	—	160J	—	82J
benzo[g,h,i]perylene	—	—	69J	—	150J	—	90J
<u>Pesticides/PCBs</u>							
Heptachlor epoxide	2.7J	—	—	—	—	—	—
Endrin	21	—	—	—	—	—	—
Aroclor 1254	—	—	620	—	—	20,000C	53,000C
<u>TICs†</u>							
2,3,4',6-tetrachloro-1,1'-biphenyl (52663-58-8)	—	—	—	—	—	3,000J	12,000J
2,2',4,4',5-pentachloro-1,1'-biphenyl (38380-01-7)	—	—	—	—	—	1,000J	7,000J
1,2-dimethyl-benzene (95-47-6)	—	—	—	—	—	4,000J	20,000J
<u>Analyte Detected</u> (values in mg/kg)							
aluminum	13,100	6,160	13,900	14,000	10,900	15,000	25,000
arsenic	12.2	11.5	25.5	18.3	12.5	19.3	18.5
barium	141	29.8B	454	70.4	336	315	323
beryllium	0.56B	4.5	5.7	0.63B	2.1	1.5B	1.7B
cadmium	—	—	1.6	—	1.0B	1.9	11.9
calcium	1,820	575B	8,070	1,460	15,400	38,800	25,400
chromium	15.6	8.1	46.3	16.8	20.6	44.5	425
cobalt	12.1B	7.0B	13.1B	10.4B	9.9B	11.3B	8.7B
copper	25.4	21.6	151	30	56.5	84.1	1,040
iron	21,800	70,200	28,000	29,400	41,100	35,900	28,100
lead	46.9	7.7	467	24.5	188	267	193

Table 4-1 (Cont.)

Sample Collection Information and Parameters	<u>Sample Number</u>						
	S1	S2	S3	S4	S5	S6	S7
magnesium	2,330	160B	966B	2,870	1,130B	2,240	2,350
manganese	1,140	38.4	295	426	4,340	925	369
mercury	—	—	1.2	—	0.79	0.29	1.2
nickel	20.5	12.3	57.3	22.6	25.9	107	861
potassium	1,270	570B	802B	1,590	1,790	1,900	808B
selenium	0.40JNWB	6.7JN	0.81JNWB	—	0.79JNB	0.75JNWB	0.67JNWB
silver	—	—	2.0B	—	—	—	7.1
sodium	—	—	—	—	385B	—	—
thallium	—	—	—	—	0.98B	—	—
vanadium	28.8	26.7	42.1	32.9	34.1	41.3	21.1
zinc	91.5	34.7	487	86.3	287	348	1,800
cyanide	—	—	0.73JN	—	—	1.2JN	17.5JN

— Not detected.

† TIC Chemical Abstracts Service (CAS) numbers, if available, are provided in parentheses.

Table 4-1 (Cont.)

COMPOUND QUALIFIERS	DEFINITION	INTERPRETATION
J	Indicates an estimated value.	Compound value may be semiquantitative.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS. Single component pesticides ≥ 10 ng/ μ L in the final extract shall be confirmed by GC/MS.	Compound was confirmed by GC/MS and is quantitative. Use pesticide/PCB listed value.
ANALYTE QUALIFIERS	DEFINITION	INTERPRETATION
N	Spike recoveries outside QC protocols, which indicates a possible matrix problem. Data may be biased high or low. See spike results and laboratory narrative.	Value may be quantitative or semiquantitative.
B	Value is real, but is above instrument DL and below CRDL.	Value may be quantitative or semiquantitative.
J	Value is above CRDL and is an estimated value because of a QC protocol.	Value may be semiquantitative.
W	Post-digestion spike for furnace AA analysis is out of control limits (35-115%), while sample absorbance is $< 50\%$ of spike absorbance.	Value may be semiquantitative.

5. DISCUSSION OF MIGRATION PATHWAYS

5.1 INTRODUCTION

This section presents discussions of data and information pertaining to potential migration pathways and targets of TCL compounds and TAL analytes that are possibly attributable to the Hoover site.

The five migration pathways of concern discussed are groundwater, surface water, air, fire and explosion, and direct contact.

5.2 GROUNDWATER

A potential for TCL compounds and TAL analytes to migrate from the site to groundwater is based on the following information.

- TCL compounds, TAL analytes, and TICs have been detected in on-site soil samples at levels above background concentrations. Examples of these, given in highest concentrations, include beryllium at 5.7 mg/kg, lead at 467 mg/kg, and mercury at 1.2 mg/kg in sample S3; cadmium at 11.9 mg/kg, chromium at 425 mg/kg, copper at 1,040 mg/kg, mercury at 1.2 mg/kg, zinc at 1,800 mg/kg, cyanide at 17.5JN mg/kg, bis(2-ethylhexyl)phthalate at 4,100 µg/kg, and Aroclor 1254 at 53,000C µg/kg in sample S7; and selenium at 6.7JN mg/kg and di-n-butylphthalate at 2,600 µg/kg in sample S2 (definitions and interpretations of qualifiers are provided in Table 4-1).

- According to a 103(c) Notification of Hazardous Waste Site form and other file information concerning the site, plating waste has been deposited on-site in solid, liquid, and sludge forms.
- Waste may have been deposited on-site in the water table, which is between 1 and 75 feet below ground surface.
- FIT did not observe a liner or leachate collection system on-site.
- Analysis of subsurface soil sample S6 revealed PCBs. Sample 6 was collected at a depth of 2 feet, approximately 1 foot below the water table.

The potential for TCL compounds and TAL analytes to migrate from the site to groundwater is also based on the geology of the area. For the purpose of this report, the geology below the Hoover site has been divided into three informally defined units. The uppermost unit, Unit 1, consists of glacial till. Unit 1 varies in thickness and is generally less than 75 feet thick. The glacial materials occur most frequently as clay-rich tills with occasional lenses of sand and gravel (ODNR 1979).

Unit 2, the Massillon Sandstone, is of the Pottsville Group and is of Pennsylvanian age. Unit 2 is often poorly sorted with lenses of coal and shale present (ODNR 1963). Underlying the Massillon Sandstone is the Sharon Conglomerate, Unit 3, which ranges from 150 to 300 feet below the ground surface (ODNR 1979).

Because of the nature of glacial till deposits, which generally form in a braided stream environment, all deposits of various materials in the till are generally discontinuous over short distances. Therefore, any layers of clay in the till should not be laterally continuous and permeable material in the till should be vertically connected. Therefore, all three units should be hydraulically connected. Residences within a 3-mile radius of the site use groundwater from private and municipal wells for drinking water (Farbach 1989). Logs of area

wells indicate that all three units act as aquifers and are used by local wells (see Appendix E for area well logs). Therefore, all three units constitute the aquifer of concern (AOC). The depth of the AOC ranges from 1 to 75 feet and the depth to groundwater ranges from 1 to 75 feet below the surface (ODNR 1979). According to surface topography, groundwater flow appears to be westerly. The residence nearest the site is located approximately 50 feet north of the site.

The potential targets of groundwater contamination include the approximately 3,300 persons served by private residential wells and the approximately 14,200 persons served by the North Canton municipal well system, which has five municipal wells located southwest and within a 3-mile radius of the Hoover site (Farbach 1989). The population using residential wells was calculated by counting houses on United States Geological Survey (USGS) topographic maps (USGS 1960, 1967) and multiplying that figure by the 1980 Census value of 2.77 persons per household for Stark County (U.S. Bureau of the Census 1982). Adding this population to that of persons using municipal water yields a total groundwater target population of approximately 17,500 persons.

5.3 SURFACE WATER

No surface water samples were collected during the SSI of the Hoover site. Surface water drains eastward from the site to a swampy area located approximately 100 feet east of the site. An area of standing water was also observed by FIT in the northeastern corner of the site. No potential exists for persons to be affected by TCL compounds or TAL analytes potentially migrating off-site to the west branch of Nimishillen Creek, located approximately 7,000 feet east of the site, because Main Street, located between the site and the creek, is at a higher elevation than the site and acts as a barrier to surface water runoff toward the creek.

5.4 AIR

A release of TCL compounds or TAL analytes to the air was not documented during the SSI of the Hoover site. During the reconnaissance inspection, FIT site-entry instruments (OVA 128, explosimeter, colorimetric tubes for monitoring hydrogen cyanide, and radiation monitor)

did not detect levels above background concentrations at the site. In accordance with the U.S. EPA-approved work plan, further air monitoring was not conducted by FIT.

A potential does not exist for TCL compounds and TAL analytes to migrate from the site via windblown particulates, because the site is heavily wooded.

5.5 FIRE AND EXPLOSION

According to federal, state, and local file information reviewed by FIT, and an interview with Sam Bacon, Fire Chief, North Canton, Ohio, no documentation exists of an incident of fire or explosion at the site (Bacon 1989). According to FIT observations and site-entry equipment readings, no potential for fire or explosion existed at the site at the time of the SSI.

5.6 DIRECT CONTACT

According to federal, state, and local file information reviewed by FIT, and observations made during the SSI, no incidents of direct contact with TCL compounds or TAL analytes at the Hoover site have been documented. However, a potential that the public may come into contact with TAL analytes and TCL compounds detected at the site exists. The potential for direct contact is based on the following information.

- Access to the site is not restricted. There is no fence, security guard, or other means of security on-site.
- TCL compounds and TAL analytes have been detected in on-site soil samples at levels above background concentrations.
- FIT observed hikers on-site.
- FIT observed several areas on-site with inadequate or no cover.

The population within a 1-mile radius of the site potentially affected through direct contact with TCL compounds and TAL analytes at the site is 1,800 persons. This population was calculated by counting houses within a 1-mile radius of the site on USGS topographic maps (USGS 1967) and multiplying this number by a persons-per-household value of 2.77 (U.S. Bureau of the Census 1982).

6. REFERENCES

Bacon, Sam, June 20, 1989, Fire Chief, North Canton Fire Department, telephone conversation, contacted by Michael R. Broll of E & E.

Center, Thom, April 6, 1990, Concord Assets Group, telephone conversation, contacted by Tim Danzer of E & E.

Collier, John, March 23, 1990, Developers Diversified, telephone conversation, contacted by Tim Danzer of E & E.

E & E, 1987, Quality Assurance Project Plan Region V FIT Conducted Site Inspections, Chicago, Illinois.

Farbach, Dan, July 1989, North Canton Water Works, telephone conversation, contacted by Michael R. Broll of E & E.

ODNR, 1963, Geologic Map of Stark County, Ohio.

_____, 1979, Ground-Water Resources of Stark County, Ohio.

U.S. Bureau of the Census, 1982, 1980 Census of Population, Characteristics of the Population, General Population Characteristics, Ohio, Washington, D.C.

U.S. EPA, June 9, 1981, Notification of Hazardous Waste Site, for The Hoover Company site, U.S. EPA ID: OHD980614036, submitted by J. M. Harroff, The Hoover Company.

_____, January 30, 1985, Potential Hazardous Waste Site Preliminary Assessment, for The Hoover Company site, U.S. EPA ID: OHD98061-4036, prepared by Kevin Palomboy, OEPA, Northwest District Office.

_____, February 12, 1988, Office of Solid Waste and Emergency Response, Pre-Remedial Strategy for Implementing SARA, Directive number 9345.2-01, Washington, D.C.

USGS, 1960, Hartville; 1967, Canton East, photorevised 1978; 1967, Canton West, photorevised 1978; 1967, North Canton, photorevised 1984, Ohio Quadrangles, 7.5 Minute Series: 1:24,000.

5773:8

APPENDIX A

SITE 4-MILE RADIUS MAP

B

APPENDIX B

U.S. EPA FORM 2070-13



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
OH D 980614036

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)
THE HOOVER COMPANY - STRATAVON DISPOSAL AREA
02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
STRATAVON DRIVE
03 CITY
NORTH CANTON
04 STATE 05 ZIP CODE 06 COUNTY
OH 44720 STAR
07 COUNTY CODE 08 CONG DIST
16 151
09 COORDINATES
LATITUDE 42° 54' 05" N LONGITUDE 81° 24' 30" W
10 TYPE OF OWNERSHIP (Check one)
☐ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☒ F. OTHER CONCORD ASSETS GROUP ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION
5/16/90
MONTH DAY YEAR
02 SITE STATUS
☐ ACTIVE
☒ INACTIVE
03 YEARS OF OPERATION
1968 1974
BEGINNING YEAR ENDING YEAR
UNKNOWN
04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ☒ B. EPA CONTRACTOR Ecology And Environment ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR
☐ E. STATE ☐ F. STATE CONTRACTOR ☐ G. OTHER

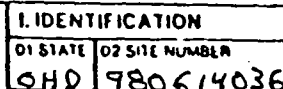
05 CHIEF INSPECTOR
TIM DANZER
06 TITLE
GEOGRAPHER
07 ORGANIZATION
E&E
08 TELEPHONE NO.
1312 663-9415
09 OTHER INSPECTORS
JULIE VISSER
10 TITLE
COMMUNITY HEALTH SPECIALIST
11 ORGANIZATION
E&E
12 TELEPHONE NO.
1312 663-9415
ROD HACKLER
10 TITLE
GEOLOGIST
11 ORGANIZATION
E&E
12 TELEPHONE NO.
1312 663-9415
RANDY EARLYWINE
10 TITLE
CIVIL ENGINEER
11 ORGANIZATION
E&E
12 TELEPHONE NO.
1312 663-9415
LARRY LUECK
10 TITLE
GEOLOGIST
11 ORGANIZATION
E&E
12 TELEPHONE NO.
1312 663-9415

13 SITE REPRESENTATIVES INTERVIEWED
Tom Center
14 TITLE
UNKNOWN
15 ADDRESS CONCORD ASSETS GROUP
5200 TOWNCENTER CIRCLE
BOCA RATON, FL 33486
16 TELEPHONE NO.
(407) 394-9260
()
()
()
()
()

17 ACCESS GAINED BY
(Check one)
☒ PERMISSION
☐ WARRANT
18 TIME OF INSPECTION
10:00 AM
19 WEATHER CONDITIONS
75°F, CLOUDY/BREEZY, SOME RAIN EARLY

IV. INFORMATION AVAILABLE FROM

01 CONTACT
ROD BEALS
02 OF (Agency/Organization)
OEPA - NORTH EAST DISTRICT OFFICE
03 TELEPHONE NO.
(216) 425-9171
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM
TIM DANZER
05 AGENCY
USEPA - FIT
06 ORGANIZATION
ECOLOGY AND ENVIRONMENT
07 TELEPHONE NO.
(312) 663-9415
08 DATE
5/16/90
MONTH DAY YEAR



EPA FORM 2070 13(7-81)



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I IDENTIFICATION
01 STATE 02 SITE NUMBER
OH 0 980614036

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 17552
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5-2 OF NARRATIVE

01 ☐ B SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5-3 OF NARRATIVE

01 ☐ C CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5-4 OF NARRATIVE

01 ☐ D FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5-5 OF NARRATIVE

01 ☒ E DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: 1800
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5-6 OF NARRATIVE

01 ☒ F CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: ~2
02 ☒ OBSERVED (DATE: MAY 16, 1990) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 4 OF NARRATIVE

01 ☒ G DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 17552
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5-2 OF NARRATIVE

01 ☐ H WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: _____
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SITE IS INACTIVE

01 ☒ I POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: 17552
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 5 OF NARRATIVE



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

OH 980614036

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED

A POTENTIAL EXISTS FOR DAMAGE TO FLORA BY ABSORPTION OF TAL ANALYTES
AND TCL COMPOUNDS THROUGH ROOT SYSTEMS

01 ☒ K DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include numbers of 020-031)

02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED

A POTENTIAL EXISTS FOR FAUNA TO BECOME CONTAMINATED BY
CONSUMING CONTAMINATED FLORA OR DIRECT CONTACT

01 ☒ L CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED

A POTENTIAL EXISTS BY CONSUMPTION OF CONTAMINATED FLORA OR FAUNA

01 ☒ M UNSTABLE CONTAINMENT OF WASTES
(leaking drums, leaking tanks, leaking drums)
03 POPULATION POTENTIALLY AFFECTED: 17,552

02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED

04 NARRATIVE DESCRIPTION

SITE CONTAINS NO ENGINEERED CONTAINMENT SYSTEMS

01 ☐ N DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED

NONE REPORTED OR OBSERVED

01 ☐ O CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED

NONE REPORTED OR OBSERVED

01 ☐ P ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED

NO INCIDENT REPORTED OR OBSERVED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

NONE

III. TOTAL POPULATION POTENTIALLY AFFECTED: 17,552

IV. COMMENTS

PRINCIPAL MIGRATION PATHWAYS BY WHICH TAL ANALYTES AND TCL COMPOUNDS COULD
MIGRATE OR POTENTIALLY AFFECT RESIDENCES ARE GROUNDWATER,
AND DIRECT CONTACT.

V. SOURCES OF INFORMATION (list specific references, e.g., state laws, agency analysis reports)

E&E FIT FILES

E&E FIT SITE INSPECTION LOGBOOK



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH 980614036

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check one of the following)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A NPDES				
<input type="checkbox"/> B UIC				
<input type="checkbox"/> C AIR				
<input type="checkbox"/> D RCRA				
<input type="checkbox"/> E RCRA INTERIM STATUS				
<input type="checkbox"/> F SPCC PLAN				
<input type="checkbox"/> G STATE (Specify)				
<input type="checkbox"/> H LOCAL (Specify)				
<input type="checkbox"/> I OTHER (Specify)				
<input checked="" type="checkbox"/> J NONE				NONE KNOWN

III. SITE DESCRIPTION

01 STORAGE OR DISPOSAL (Check one of the following)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check one of the following)	05 OTHER
<input type="checkbox"/> A SURFACE IMPOUNDMENT			<input type="checkbox"/> A INCINERATION	<input type="checkbox"/> A BUILDINGS ON SITE
<input type="checkbox"/> B PILES			<input type="checkbox"/> B UNDERGROUND INJECTION	N/A
<input type="checkbox"/> C DRUMS, ABOVE GROUND			<input type="checkbox"/> C CHEMICAL PHYSICAL	
<input type="checkbox"/> D TANK, ABOVE GROUND			<input type="checkbox"/> D BIOLOGICAL	
<input type="checkbox"/> E TANK, BELOW GROUND			<input type="checkbox"/> E WASTE OIL PROCESSING	
<input checked="" type="checkbox"/> F LANDFILL	UNKNOWN	UNKNOWN	<input type="checkbox"/> F SOLVENT RECOVERY	LEAKAGE OF SITE
<input type="checkbox"/> G LANDFARM			<input type="checkbox"/> G OTHER RECYCLING RECOVERY	≈ 2
<input checked="" type="checkbox"/> H OPEN DUMP	UNKNOWN	UNKNOWN	<input checked="" type="checkbox"/> H OTHER NONE (Specify)	
<input type="checkbox"/> I OTHER (Specify)				

07 COMMENTS

NONE

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A ADEQUATE, SECURE ☐ B MODERATE ☒ C INADEQUATE, POOR ☐ D INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

NO DIVERSION DITCHES
NO LINER
EXPOSED GARBAGE, RUBBISH AND DRUMS

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO
02 COMMENTS

AREA OF SITE WAS NOT FENCED

VI. SOURCES OF INFORMATION (Check specific references, e.g. State Reg. 3141 & 3142, 3143, 3144)

EEE FIT FILES

EEE SITE INSPECTION LOGBOOK



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

1. IDENTIFICATION
01 STATE 02 SITE NUMBER
OHIO 980614036

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check one) COMMUNITY NON-COMMUNITY	SURFACE A <input type="checkbox"/> C <input type="checkbox"/> WELL B <input checked="" type="checkbox"/> D <input type="checkbox"/>	02 STATUS ENDANGERED D <input type="checkbox"/> AFFECTED B <input type="checkbox"/> E <input type="checkbox"/> MONITORED C <input checked="" type="checkbox"/> F. UNKNOWN	03 DISTANCE TO SITE A. <u>~2</u> (mi) B. <u>~1</u> (mi)
---	--	---	---

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)
☒ A ONLY SOURCE FOR DRINKING ☐ B DRINKING
COMMERCIAL, INDUSTRIAL IRRIGATION
☐ C COMMERCIAL, INDUSTRIAL IRRIGATION ☐ D NOT USED, UNUSABLE

02 POPULATION SERVED BY GROUND WATER <u>17,552</u>	03 DISTANCE TO NEAREST DRINKING WATER WELL <u>~1</u> (mi)			
04 DEPTH TO GROUNDWATER <u>1-75</u> (ft)	05 DIRECTION OF GROUNDWATER FLOW <u>west</u>	06 DEPTH TO AQUIFER OF CONCERN <u>1-75</u> (ft)	07 POTENTIAL YIELD OF AQUIFER <u>UNKNOWN</u> (gpm)	08 SOLE SOURCE AQUIFER <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

09 DESCRIPTION OF WELLS (including usage, depth, and location relative to population and buildings)
SEE SECTION 5-2 OF NARRATIVE

10 RECHARGE AREA <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO COMMENTS THROUGH PERCOLATION OF RAINWATER	11 DISCHARGE AREA <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO COMMENTS WEST BRANCH NIMISHILLEN CREEK
--	--

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)
☒ A RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B IRRIGATION ECONOMICALLY IMPORTANT RESOURCES ☐ C COMMERCIAL, INDUSTRIAL ☐ D NOT CURRENTLY USED

02 AFFECTED POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
<u>WEST BRANCH OF NIMISHILLEN CREEK</u>	<input type="checkbox"/>	<u>~1 3/4</u> (mi)
	<input type="checkbox"/>	
	<input type="checkbox"/>	

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN ONE (1) MILE OF SITE <u>A ~1800</u> NO. OF PERSONS TWO (2) MILES OF SITE <u>B ~14,400</u> NO. OF PERSONS THREE (3) MILES OF SITE <u>C ~17,500</u> NO. OF PERSONS	02 DISTANCE TO NEAREST POPULATION <u>~100 FT</u> (mi)
03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE <u>~5,200</u>	04 DISTANCE TO NEAREST OFF-SITE BUILDING <u>~100 FT</u> (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population in the vicinity of site or a map showing location of site and population)
BOTH RURAL AND URBAN POPULATIONS ARE WITHIN 3-MILES OF THE HOOVER COMPANY SITE.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
OH 980614036

VI. ENVIRONMENTAL INFORMATION

03 PERMEABILITY OF UNSATURATED ZONE (check one)

☐ A $10^{-8} - 10^{-6}$ cm/sec ☐ B $10^{-6} - 10^{-4}$ cm/sec ☒ C $10^{-4} - 10^{-2}$ cm/sec ☐ D GREATER THAN 10^{-2} cm/sec

02 PERMEABILITY OF BEDROCK (check one)

☐ A IMPERMEABLE (less than 10^{-8} cm/sec) ☐ B RELATIVELY IMPERMEABLE ($10^{-8} - 10^{-6}$ cm/sec) ☒ C RELATIVELY PERMEABLE ($10^{-6} - 10^{-4}$ cm/sec) ☐ D VERY PERMEABLE (greater than 10^{-4} cm/sec)

03 DEPTH TO BEDROCK

0-75 (m)

04 DEPTH OF CONTAMINATED SOIL ZONE

UNKNOWN (m)

05 SOIL pH

UNKNOWN

06 NET PRECIPITATION

5 (in)

07 ONE YEAR 24 HOUR RAINFALL

2.2 (m)

08 SLOPE

SITE SLOPE
DEPRESSION %

DIRECTION OF SITE SLOPE
SITE IS IN A
DEPRESSION AREA

TERRAIN AVERAGE SLOPE
3

09 FLOOD POTENTIAL

SITE IS IN N/A YEAR FLOODPLAIN

10

☒ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, FUTURE FLOODWAY

11 DISTANCE TO WETLANDS (in miles)

ESTUARINE

OTHER

A >2 (mi)

B >1 (mi)

12 DISTANCE TO CRITICAL HABITAT (in miles)

>3 (mi)

ENDANGERED SPECIES N/A

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

RESIDENTIAL AREAS, NATIONAL STATE PARKS,
FORESTS, OR WILDLIFE RESERVES

AGRICULTURAL LANDS
FARM AS LAND AG LAND

A <1 (mi)

B <1 (mi)

C. UNKNOWN (mi) D. UNKNOWN (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

SEE APPENDIX "A"

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E FIT FILES

USGS TOPOGRAPHIC MAP



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH 980614036

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR		SEE SECTION 3-4 IN NARRATIVE	
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
OVA-128	NO READINGS ABOVE BACKGROUND
EXPLOSI-METER	NO READINGS ON SITE ABOVE 0
RADIATION MONITOR	NO READINGS ABOVE BACKGROUND
CYANIDE TUBES	NO READING ON SITE
OXYGEN METER	21% READING ON SITE

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input type="checkbox"/> AERIAL	02 IN CUSTODY OF <u>ECOLOGY AND ENVIRONMENT, INC. - CHICAGO, IL</u> <small>(Name of organization or individual)</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS <u>ECOLOGY AND ENVIRONMENT, INC. - CHICAGO, IL</u>

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

NONE

VI. SOURCES OF INFORMATION (Cite specific references to EPA, state laws, author, date, etc.)

LABORATORY ANALYTICAL DATA
E&E FIT FILES



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH 980614036

II. CURRENT OWNER(S)				PARENT COMPANY (IF ANY)			
01 NAME	02 D+B NUMBER	03 NAME	09 D+B NUMBER				
CONCORD ASSETS GROUP	UNKNOWN	N/A					
03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD, etc.)	11 SIC CODE				
5200 TOWN CENTER CIRCLE	UNKNOWN						
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE		
BOCA RATON	FL	33486					
01 NAME	02 D+B NUMBER	03 NAME	09 D+B NUMBER				
N/A		N/A					
03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD, etc.)	11 SIC CODE				
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE		
01 NAME	02 D+B NUMBER	03 NAME	09 D+B NUMBER				
N/A		N/A					
03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD, etc.)	11 SIC CODE				
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE		
01 NAME	02 D+B NUMBER	03 NAME	09 D+B NUMBER				
N/A		N/A					
03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD, etc.)	11 SIC CODE				
05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE		
III. PREVIOUS OWNER(S) (List most recent first)				IV. REALTY OWNER(S) (If applicable, list most recent first)			
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER				
1973-1982		N/A					
DEVELOPERS DEVERIFIED							
03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE				
34555 SHARGIN BLVD.							
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE		
CLEVELAND	OH	44122					
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER				
1968-1973		N/A					
THE HOGGER COMPANY							
03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE				
101 EAST MAPLE STREET							
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE		
NORTH CANTON	OH	44720					
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER				
N/A		N/A					
03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE				
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE		
V. SOURCES OF INFORMATION (List specific references, e.g., state files, sample analysis, reports)							
E&E FIT FILES							



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE 07 SITE NUMBER
OH 980614036

II. CURRENT OPERATOR (Provide if different from owner)				OPERATOR'S PARENT COMPANY (if applicable)			
01 NAME N/A		02 D+B NUMBER		10 NAME N/A		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER					
III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)				PREVIOUS OPERATORS' PARENT COMPANIES (if applicable)			
01 NAME UNKNOWN		02 D+B NUMBER		10 NAME THE HOOVER COMPANY		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD, etc.) 101 EAST MAPLE STREET		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY NORTH CANTON		15 STATE OH	16 ZIP CODE 44720
08 YEARS OF OPERATION 1968-1974		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME N/A		02 D+B NUMBER		10 NAME N/A		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME N/A		02 D+B NUMBER		10 NAME N/A		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					

IV. SOURCES OF INFORMATION (Cite specific references, e.g., State files, local newspaper, etc.)

E & E FIT FILES



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
OH 980614036

III. ON-SITE GENERATOR

01 NAME NONE	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME THE HOSUER COMPANY	02 D+B NUMBER	01 NAME N/A	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD, etc.) 101 EAST MAPLE STREET	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE
05 CITY NORTH CANTON	06 STATE OH	07 ZIP CODE 44720	05 CITY
01 NAME N/A	02 D+B NUMBER	01 NAME N/A	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME UNKNOWN	02 D+B NUMBER	01 NAME N/A	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE
01 NAME N/A	02 D+B NUMBER	01 NAME N/A	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

V. SOURCES OF INFORMATION (Check all that apply: 01 Direct observation 02 Interview 03 Review of records 04 Other)

E&E PIT FILES



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH D 980614036

II. PAST RESPONSE ACTIVITIES

01 ☐ A WATER SUPPLY CLOSED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ B TEMPORARY WATER SUPPLY PROVIDED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ C PERMANENT WATER SUPPLY PROVIDED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ D SPILLED MATERIAL REMOVED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ E CONTAMINATED SOIL REMOVED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ F WASTE REPACKAGED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ G WASTE DISPOSED ELSEWHERE
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ H ON SITE BURIAL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ I IN SITU CHEMICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ J IN SITU BIOLOGICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ K IN SITU PHYSICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ L ENCAPSULATION
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ M EMERGENCY WASTE TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ N CUTOFF WALLS
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ O EMERGENCY DIKING SURFACE WATER DIVERSION
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ P CUTOFF TRENCHES/SUMP
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A

01 ☐ Q SUBSURFACE CUTOFF WALL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

N/A



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH 980614036

II PAST RESPONSE ACTIVITIES

01 ☐ R BARRIER WALLS CONSTRUCTED
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ S CAPPING COVERING
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ T BULK TANKAGE REPAIRED
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ U GROUT CURTAIN CONSTRUCTED
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ V BOTTOM SEALED
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ W GAS CONTROL
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ X FIRE CONTROL
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ Y LEACHATE TREATMENT
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ Z AREA EVACUATED
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ 1. ACCESS TO SITE RESTRICTED
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ 2. POPULATION RELOCATED
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

01 ☐ 3. OTHER REMEDIAL ACTIVITIES
04 DESCRIPTION

02 DATE

03 AGENCY

N/A

III SOURCES OF INFORMATION (Cite specific references e.g., State Rep. Sample and/or, records)

E&E FIT FILES



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE

040

02 SITE NUMBER

980614036

II. ENFORCEMENT INFORMATION

01 FAST REGULATORY ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL STATE LOCAL REGULATORY ENFORCEMENT ACTION

NONE

III. SOURCES OF INFORMATION (See specific references, e.g., state files, sample analysis, reports)

E E E F I T F I L E S

C

APPENDIX C

FIT SITE PHOTOGRAPHS

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVE

PAGE 1 OF 14

U.S. EPA ID: OND980614036 TDD: F05-9002-027

PAN: F0H03825A

DATE: 5/16/90

TIME: 14:50

DIRECTION OF
PHOTOGRAPH:

NORTH

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

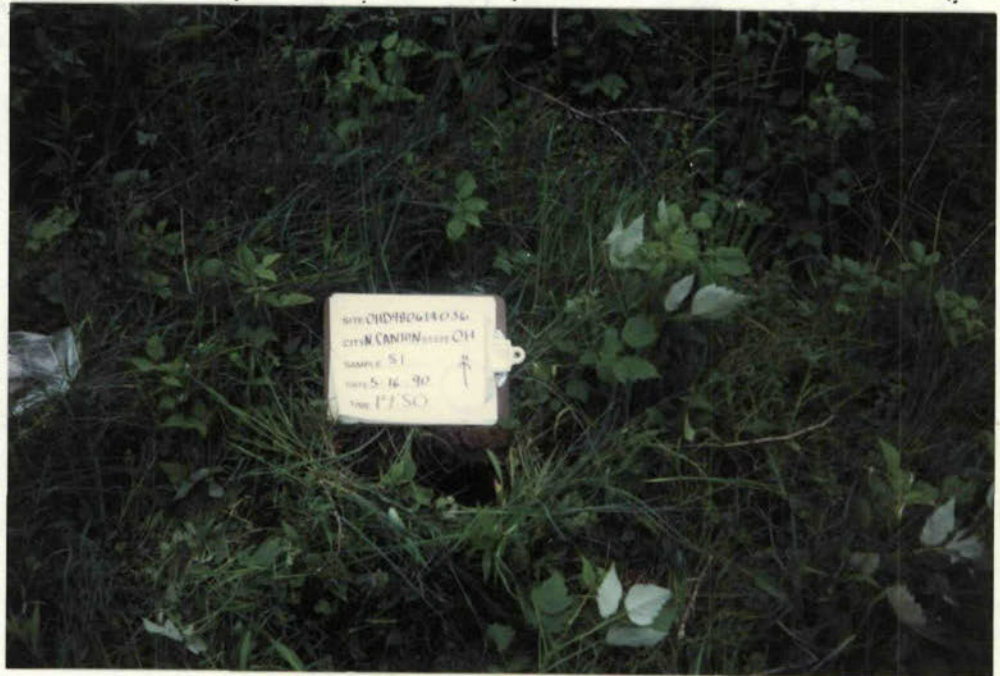
PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

51



DESCRIPTION: CLOSE-UP VIEW OF 51

DATE: 5/16/90

TIME: 14:50

DIRECTION OF
PHOTOGRAPH:

NORTH

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

51



DESCRIPTION: PERSPECTIVE VIEW OF 51 (SITE IN BACKGROUND)

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVEPAGE 2 OF 14U.S. EPA ID: OND980614036 TDD: F05-9002-027PAN: F0H03825ADATE: 5/16/90TIME: 12:10DIRECTION OF
PHOTOGRAPH:SOUTH

WEATHER

CONDITIONS:

75°F - BREEZYCLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

52DESCRIPTION: CLOSE-UP VIEW OF 52DATE: 5/16/90TIME: 12:10DIRECTION OF
PHOTOGRAPH:SOUTH

WEATHER

CONDITIONS:

75°F - BREEZYCLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

52DESCRIPTION: PERSPECTIVE VIEW OF 52

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVEPAGE 3 OF 14U.S. EPA ID: OND980614036 TDD: F05-9002-027PAN: F0H03825ADATE: 5/16/90TIME: 12:20DIRECTION OF
PHOTOGRAPH:EAST

WEATHER

CONDITIONS:

75°F - BREEZYCLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

53DESCRIPTION: CLOSE-UP VIEW OF 53DATE: 5/16/90TIME: 12:20DIRECTION OF
PHOTOGRAPH:EAST

WEATHER

CONDITIONS:

75°F - BREEZYCLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

53DESCRIPTION: PERSPECTIVE VIEW OF 53

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVE

PAGE 4 OF 14

U.S. EPA ID: OH0980614036 TDD: F05-9002-027

PAN: F0H03825A

DATE: 5/16/90

TIME: 12:30

DIRECTION OF
PHOTOGRAPH:

SOUTH-EAST

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

54



DESCRIPTION: PERSPECTIVE VIEW OF 54

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVEPAGE 5 OF 14U.S. EPA ID: OND980614036 TDD: F05-9002-027PAN: F0H03B25ADATE: 5/16/90TIME: 13:15DIRECTION OF
PHOTOGRAPH:WEST

WEATHER

CONDITIONS:

75°F - BREEZYCLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

55DESCRIPTION: CLOSE-UP VIEW OF 55DATE: 5/16/90TIME: 13:15DIRECTION OF
PHOTOGRAPH:WEST

WEATHER

CONDITIONS:

75°F - BREEZYCLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

55DESCRIPTION: PERSPECTIVE VIEW OF 55

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVE

PAGE 6 OF 14

U.S. EPA ID: OND980614036

TDD: F05-9002-027

PAN: F0H03825A

DATE: 5/16/90

TIME: 13:25

DIRECTION OF
PHOTOGRAPH:

EAST

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

56



DESCRIPTION: CLOSE-UP VIEW OF 56

DATE: 5/16/90

TIME: 13:25

DIRECTION OF
PHOTOGRAPH:

EAST

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

56



DESCRIPTION: PERSPECTIVE VIEW OF 56

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVEPAGE 7 OF 14U.S. EPA ID: OND980614036 TDD: F05-9002-027PAN: F0H03B25ADATE: 5/16/90TIME: 13:40DIRECTION OF
PHOTOGRAPH:WEST

WEATHER

CONDITIONS:

75°F - BREEZYCLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

57DESCRIPTION: CLOSE-UP VIEW OF 57DATE: 5/16/90TIME: 13:40DIRECTION OF
PHOTOGRAPH:WEST

WEATHER

CONDITIONS:

75°F - BREEZYCLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

57DESCRIPTION: PERSPECTIVE VIEW OF 57

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVE

PAGE 8 OF 14

U.S. EPA ID: OND980614036

TDD: F05-9002-027

PAN: F0H03825A

DATE: 5/16/90

TIME: 13:50

DIRECTION OF
PHOTOGRAPH:

SOUTH

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

N/A



DESCRIPTION: VIEW OF ROAD WEST OF THE SITE

DATE: 5/16/90

TIME: 14:05

DIRECTION OF
PHOTOGRAPH:

EAST

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

N/A



DESCRIPTION: VIEW OF ROAD SOUTH OF THE SITE

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVE

PAGE 9 OF 14

U.S. EPA ID: OH0980614036 TDD: F05-9002-027

PAN: F0H03825A

DATE: 5/16/90

TIME: 15:00

DIRECTION OF
PHOTOGRAPH:

SOUTH - EAST

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

N/A



DESCRIPTION: VIEW OF ROAD SOUTH OF SITE WITH K-MART
BUILDING IN THE BACKGROUND

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVE

PAGE 10 OF 14

U.S. EPA ID: OND980614036

TDD: F05-9002-027

PAN: F0H03825A

DATE: 5/16/90

TIME: 15:05

DIRECTION OF
PHOTOGRAPH:

NORTH

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

N/A



DESCRIPTION: PATH LEADING (NORTH) DOWN TO DUMPING

AREAS FROM SOUTH ROAD

DATE: 5/16/90

TIME: 15:10

DIRECTION OF
PHOTOGRAPH:

WEST

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

N/A



DESCRIPTION: OLD ROADWAY DOWN IN DUMPING AREA

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVE

PAGE 11 OF 14

U.S. EPA ID: OND980614036

TDD: F05-9002-027

PAN: F0H03825A

DATE: 5/16/90

TIME: 15:20

DIRECTION OF
PHOTOGRAPH:

EAST

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

N/A



DESCRIPTION: VIEW OF SWAMPY AREA IN THE NORTH - EAST
SECTION OF THE SITE

DATE: 5/16/90

TIME: 15:25

DIRECTION OF
PHOTOGRAPH:

NORTH - WEST

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

N/A



DESCRIPTION: VIEW OF SWAMPY AREA FROM MAIN STREET

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVE

PAGE 12 OF 14

U.S. EPA ID: OND980614036 TDD: FOS-9002-027

PAN: F0H03B25A

DATE: 5/16/90

TIME: 14:05

DIRECTION OF
PHOTOGRAPH:

NORTH

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

N/A



DESCRIPTION: STAINED AREA WITH STRESSED VEGETATION

ON THE WESTERN PART OF THE SITE

DATE: 5/16/90

TIME: 13:55

DIRECTION OF
PHOTOGRAPH:

EAST

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

N/A



DESCRIPTION: BLOCK OF CEMENT COVERING HOLE IN THE

NORTH WESTERN PART OF THE SITE

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVE

PAGE 13 OF 14

U.S. EPA ID: OH0980614036

TDD: F05-9002-027

PAN: F0H038254



DATE: 5/16/90 TIME: 14:00 DIRECTION OF PHOTOGRAPH: EAST PHOTOGRAPHED BY: DANZER

WEATHER CONDITIONS: 75°F - BREEZY - CLOUDY - RAINY SAMPLE ID (if applicable): N/A

DESCRIPTION: PANARAMA VIEW OF SITE SOUTH OF CEMENT BLOCK

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: THE HOOVER COMPANY - STRATAVON DRIVE

PAGE 14 OF 14

U.S. EPA ID: OH0980614036 TDD: F05-9002-027

PAN: F0H03825A

DATE: 5/16/90

TIME: 13:45

DIRECTION OF
PHOTOGRAPH:

EAST

WEATHER

CONDITIONS:

75°F - BREEZY

CLOUDY - RAINY

PHOTOGRAPHED BY:

DANZER

SAMPLE ID

(if applicable):

N/A



DESCRIPTION: VIEW OF STRATAVON DRIVE WITH MAIN STREET
IN THE BACKGROUND (SITE IS ON RIGHT)

SITE CHIMBORAZO, CALIF.
CITY OF CANTON, CALIF.

WATER 51

DATE 5 16 90

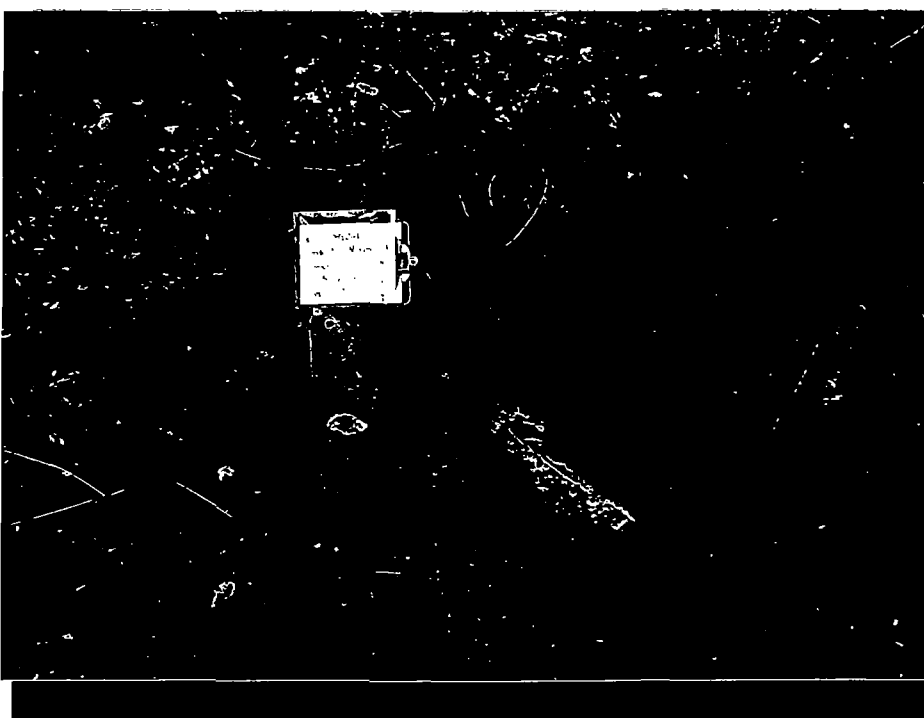
TIME 11 50

W

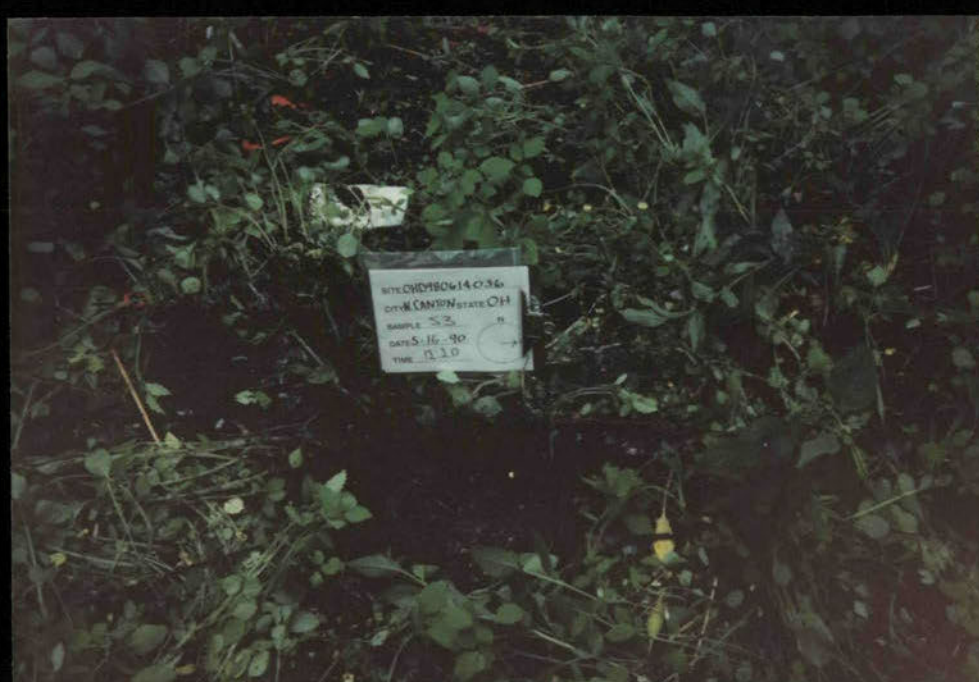
7

7











Small white label with text, likely a plant identification tag, placed on the ground among the vegetation.



WITNESS CHIEF OF POLICE
CITY OF CANTON, OH
SAMPLE S-5
DATE 5-16-90
TIME 12:15



SITE QH0980614056
- CITYH (ANION) STATE OF
SAMPLE 56
DATE 5-16-90
TIME 15:25



DATE: 01/08/2014 03:16
CITY: CANTON State: OH
SAMPLE: 52
DATE: 5-11-90
TIME: 13:00





























D



APPENDIX D

U.S. EPA TARGET COMPOUND LIST AND
TARGET ANALYTE LIST
QUANTITATION/DETECTION LIMITS

ADDENDUM A

**ROUTINE ANALYTICAL SERVICES
CONTRACT REQUIRED DETECTION AND QUANTITATION LIMITS °**

Contract Laboratory Program
Target Compound List
Quantitation Limits

COMPOUND	CAS #	SOIL SEDIMENT SLUDGE	
		WATER	
Chloromethane	74-87-3	10 ug/L	10 ug/Kg
Bromomethane	74-83-9	10	10
Vinyl chloride	75-01-4	10	10
Chloroethane	75-00-3	10	10
Methylene chloride	75-09-2	5	5
Acetone	67-64-1	10	5
Carbon disulfide	75-15-0	5	5
1,1-dichloroethene	75-35-4	5	5
1,1-dichloroethane	75-34-3	5	5
1,2-dichloroethene (total)	540-59-0	5	5
Chloroform	67-66-3	5	5
1,2-dichloroethane	107-06-2	5	5
2-butanone (MEK)	78-93-3	10	10
1,1,1-trichloroethane	71-55-6	5	5
Carbon tetrachloride	56-23-5	5	5
Vinyl acetate	108-05-4	10	10
Bromodichloromethane	75-27-4	5	5
1,2-dichloropropane	78-87-5	5	5
cis-1,3-dichloropropene	10061-01-5	5	5
Trichloroethene	79-01-6	5	5
Dibromochloromethane	124-48-1	5	5
1,1,2-trichloroethane	79-00-5	5	5
Benzene	71-43-2	5	5
Trans-1,3-dichloropropene	10061-02-6	5	5
Bromoform	75-25-2	5	5
4-Methyl-2-pentanone	108-10-1	10	10
2-Hexanone	591-78-6	10	10
Tetrachloroethene	127-18-4	5	5
Tolene	108-88-3	5	5
1,1,2,2-tetrachloroethane	79-34-5	5	5
Chlorobenzene	108-90-7	5	5
Ethyl benzene	100-41-4	5	5
Styrene	100-42-5	5	5
Xylenes (total)	1330-20-7	5	5

Table A
Contract Laboratory Program
Target Compound List
Semivolatiles Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SEDIMENT SLUDGE
Phenol	108-95-2	10 ug/L	330 ug/Kg
bis(2-Chloroethyl) ether	111-44-4	10	330
2-Chlorophenol	95-57-8	10	330
1,3-Dichlorobenzene	541-73-1	10	330
1,4-Dichlorobenzene	106-46-7	10	330
Benzyl Alcohol	100-51-6	10	330
1,2-Dichlorobenzene	95-50-1	10	330
2-Methylphenol	95-48-7	10	330
bis(2-Chloroisopropyl) ether	108-60-1	10	330
4-Methylphenol	106-44-5	10	330
N-Nitroso-di-n-dipropylamine	621-64-7	10	330
Hexachloroethane	67-72-1	10	330
Nitrobenzene	98-95-3	10	330
Isophorone	78-59-1	10	330
2-Nitrophenol	88-75-5	10	330
2,4-Dimethylphenol	105-67-9	10	330
Benzoic Acid	65-85-0	50	1600
bis(2-Chloroethoxy) methane	111-91-1	10	330
2,4-Dichlorophenol	120-83-2	10	330
1,2,4-Trichlorobenzene	120-82-1	10	330
Naphthalene	91-20-3	10	330
4-Chloroaniline	106-47-8	10	330
Hexachlorobutadiene	87-68-3	10	300
4-Chloro-3-methylphenol	59-50-7	10	330
2-Methylnaphthalene	91-57-6	10	330
Hexachlorocyclopentadiene	77-47-4	10	330
2,4,6-Trichlorophenol	88-06-2	10	330
2,4,5-Trichlorophenol	95-95-4	50	1600
2-Chloronaphthalene	91-58-7	10	330
2-Nitroaniline	88-74-4	50	1600
Dimethylphthalate	131-11-3	10	330
Acenaphthylene	208-96-8	10	330
2,6-Dinitrotoluene	606-20-2	10	330
3-Nitroaniline	99-09-2	50	1600
Acenaphthene	83-32-9	10	330
2,4-Dinitrophenol	51-28-5	50	1600
4-Nitrophenol	100-02-7	50	1600
Dibenzofuran	132-64-9	10	330
2,4-Dinitrotoluene	121-14-2	10	330
Diethylphthalate	84-66-2	10	330
4-Chlorophenyl-phenyl ether	7005-72-3	10	330

Table A
Contract Laboratory Program
Target Compound List
Semivolatiles Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SLUDGE SEDIMENT
Fluorene	86-73-7	10 ug/L	330 ug/Kg
4-Nitroaniline	100-01-6	50	1600
4,6-Dinitro-2-methylphenol	534-52-1	50	1600
N-nitrosodiphenylamine	86-30-6	10	330
4-Bromophenyl-phenylether	101-55-3	10	330
Hexachlorobenzene	118-74-1	10	330
Pentachlorophenol	87-86-5	50	1600
Phenanthrene	85-01-8	10	330
Anthracene	120-12-7	10	330
Di-n-butylphthalate	84-74-2	10	330
Fluoranthene	206-44-0	10	330
Pyrene	129-00-0	10	330
Butylbenzylphthalate	85-68-7	10	330
3,3'-Dichlorobenzidine	91-94-1	20	660
Benzo(a)anthracene	56-55-3	10	330
Chrysene	218-01-9	10	330
bis(2-Ethylhexyl)phthalate	117-81-7	10	330
Di-n-octylphthalate	117-84-0	10	330
Benzo(b)fluoranthene	205-99-2	10	330
Benzo(k)fluoranthene	207-08-9	10	330
Benzo(a)pyrene	50-32-8	10	330
Indeno(1,2,3-cd)pyrene	193-39-5	10	330
Dibenz(a,h)anthracene	53-70-3	10	330
Benzo(g,h,i)perylene	191-24-2	10	330

Table A
Contract Laboratory Program
Target Compound List
Pesticide and PCB Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SEDIMENT SLUDGE
alpha-BHC	319-84-6	0.05 ug/L	8 ug/Kg
beta-BHC	319-85-7	0.05	8
delta-BHC	319-86-8	0.05	8
gamma-BHC (Lindane)	58-89-9	0.05	8
Heptachlor	76-44-8	0.05	8
Aldrin	309-00-2	0.05	8
Heptachlor epoxide	1024-57-3	0.05	8
Endosulfan I	959-98-8	0.05	8
Dieldrin	60-57-1	0.10	16
4,4'-DDE	72-55-9	0.10	16
Endrin	72-20-8	0.10	16
Endosulfan II	33213-65-9	0.10	16
4,4'-DDD	72-54-8	0.10	16
Endosulfan sulfate	1031-07-8	0.10	16
4,4'-DDT	50-29-3	0.10	16
Methoxychlor (Mariate)	72-43-5	0.5	80
Endrin ketone	53494-70-5	0.10	16
alpha-Chlordane	5103-71-9	0.5	80
gamma-chlordane	5103-74-2	0.5	80
Toxaphene	8001-35-2	1.0	160
AROCLOR-1016	12674-11-2	0.5	80
AROCLOR-1221	11104-28-2	0.5	80
AROCLOR-1232	11141-16-5	0.5	80
AROCLOR-1242	53469-21-9	0.5	80
AROCLOR-1248	12672-29-6	0.5	80
AROCLOR-1254	11097-69-1	1.0	160
AROCLOR-1260	11096-82-5	1.0	160

TABLE A (Cont.)
 CONTRACT LABORATORY PROGRAM
 HAZARDOUS SUBSTANCE LIST (HSL)
 INORGANIC DETECTION LIMITS

COMPOUND	PROCEDURE	DETECTION LIMITS	
		WATER	SOIL SEDIMENT SLUDGE
ALUMINUM	ICP	200 ug/L	40 mg/KG
ANTIMONY	FURNACE	60	2.4
ARSENIC	FURNACE	10	2
BARIUM	ICP	200	40
BERYLLIUM	ICP	5	1
CADMIUM	ICP	5	1
CALCIUM	ICP	5000	1000
CHROMIUM	ICP	10	2
COBALT	ICP	50	10
COPPER	ICP	25	5
IRON	ICP	100	20
LEAD	FURNACE	5	1
MAGNESIUM	ICP	5000	1000
MANGANESE	ICP	15	3
MERCURY	COLD VAPOR	0.2	0.008
NICKEL	ICP	40	8
POTASSIUM	ICP	5000	1000
SELENIUM	FURNACE	5	1
SILVER	ICP	10	2
SODIUM	ICP	5000	1000
THALLIUM	FURNACE	10	2
TIN	ICP	40	8
VANADIUM	ICP	50	10
ZINC	ICP	20	4
CYANIDE	COLOR	10	2

APPENDIX E

WELL LOGS OF THE AREA OF THE SITE

NO CARBON PAPER
NECESSARY—

DEPARTMENT OF NATURAL RESOURCES
Division of Water

401661

65 S. Front St. Rm. 815

Phone (614) 460-2646

TEXT-TRANSCRIPTION

(b) (9)

casing diameter 36" x 26" Length of casing 55'
 type of screen st stl. Length of screen 25'
 type of pump Turbine Test pump
 capacity of pump 1500 GPM.
 depth of pump setting 55'
 date of completion Nov. 18, 1970.

Test Rate. 1000 G.P.M. Duration of test. 72 hrs
Drawdown 21' 5 3/4" ft. Date Jan 14, 1973
Static level-depth to water. 21' 5 1/4" ft.
Quality (clear, cloudy, taste, odor) Clear
Pump installed by Philwood

WELL LOG#

SKETCH SHOWING LOCATION

[illegible]

Locate in reference to numbered
State Highways, St. Intersections, County roads, etc.

(b) (9)

5

District _____
Firm _____
Address _____

Date August 31, 1970
Signed [Signature]

If additional space is needed to complete well log, use next consecutive numbered form.

OHIO WATER SUPPLY BOARD

Well Record No. 110 WELL LOG #2

STRATA	DEPTH	
	From	To
Top soil	0	11
Clay and gravel	11	43.7
Clay	43.7	76.2
Shale	76.2	86.2
Sandstone	86.2	88.2
Shale	88.2	97.5
Shale-coal-shale	97.5	108.2
Shale	108.2	113.4
Sandstone	113.4	197.

Massillon S.S.

$$X = 2,296,900$$

$$Y = 445,700-N$$

Chemical analysis on file.

* Chief Aquifer

Well Head Elev. or M. P. _____
 Elev. of Ground at Well 1070±
 Pumping Test: Volume Rating 1500 GPM
 Developed Cap. 1150 GPM DD 17'
 Static Level Flowing Date 1938
 Normal Pumpage 1 MGD
 Use Municipal
 Adequacy of supply very good
 Owner's Well No. or Other Designation #2
 Date of Data Village clerk
 Collected by RJB and DHH Date 7-23-43

OHIO WATER SUPPLY BOARD

Well Record No. 119 WELL LOG #3

STRATA	DEPTH	
	From	To
Top Soil	0	3'
Gravel		30'
Sand		40'
Sand & Coal		45'
Sand & Gravel		55'
Sand & Clay		65'
Sand & Gravel		95'
Sand		100'
Broken Gravel & Slate		115'

$$X = 2,296,900$$

$$Y = 446,100-N$$

Chemical analysis on file.

* Chief Aquifer

Well Head Elev. or M. P. _____
 Elev. of Ground at Well _____
 Pumping Test: Developed Cap 1250 GPM
 D.D. -38'
 Static Level 22 Date 1941
 Normal Pumpage _____
 Use Municipal
 Adequacy of supply _____
 Owner's Well No. or Other Designation No. 3
 Date of Data Dept. of Health
 Collected by RJB Date 12/10/45

PLEASE USE PENCIL
OR TYPEWRITER.
DO NOT USE INK.

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
1562 W. First Avenue
Columbus, Ohio

No. 248779

(b) (6)

(b) (6)

(b) (6)

(b) (6)

CONSTRUCTION DETAILS

Casing diameter 4" Length of casing 30'
Type of screen _____ Length of screen _____
Type of pump _____
Capacity of pump _____
Depth of pump setting _____
Date of completion _____

BAILING OR PUMPING TEST

Pumping rate _____ G.P.M. Duration of test _____ hrs.
Drawdown 1 ft. Date 3-29-60
Developed capacity 15 gpm
Static level—depth to water _____ ft.
Pump installed by _____

WELL LOG

Formations Sandstone, shale, limestone, gravel and clay	From	To
Surface	0 Feet	5 Ft.
Brown gravel	5	21
Gray mud & gravel	21	27
Gravel	27	30
Water in gravel		

SKETCH SHOWING LOCATION

Locate in reference to numbered
State Highways, St. Intersections, County roads, etc.

(b) (6)

Drilling Firm Everett Waltz & Co. Inc.Date April 18, 1960Address Strasburg, OhioSigned A. D. Carr

2978

LOCATED

WELL LOG AND DRILLING REPORT
State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
1500 Dublin Road
Columbus, Ohio

WELL LOG #5 ORIGINAL

49

No. 184490

(b) (9)

CONSTRUCTION DETAILS

Casing diameter 5" Length of casing 30 ft
Type of screen _____ Length of screen _____
Type of pump _____
Capacity of pump _____
Depth of pump setting _____
Date of completion _____

BAILING OR PUMPING TEST

Pumping rate 24 G.P.M. Duration of test 1 hrs.
Drawdown 2 ft. Date Nov. 1, 1956
Developed capacity 24 g.p.m.
Static level—depth to water 27 ft. ft.
Pump installed by _____

WELL LOG

Formations
Sandstone, shale, limestone,
gravel and clay

From

To

0 Feet

_____ Ft.

clay & shale
sand rock
shale
coal & fire clay
sandy shale

25 "
25 ft. 40 "
40 " 58 "
58 " 63 "
63 70 "

SKETCH SHOWING LOCATION

Locate in reference to numbered
State Highways, St. Intersections, County roads, etc.

(b) (9)

RECEIVED

Drilling Firm M. J. Engel Drilling Co.
Address R. D. #2 Massillon

Date Nov. 1, 1956
Signed M. J. Engel

49

WELL LOG AND DRILLING REPORT

WELL LOG #6

NO. 311669

(b) (9)

CONSTRUCTION DETAILS

PAILING OR PUMPING TEST

Casing diameter 8" Length of casing 33' Pumping rate 40 G.P.M.
Type of screen _____ Length of screen _____ Duration of test 2 Hrs.
Type of pump _____ Drawdown none ft. Date 5-1-64
Capacity of pump _____ Static level - depth to water 12 Ft.
Depth of pump setting _____ Quality clear
Date of completion May 1, 1964 Pump installed by _____

WELL LOG

SKETCH SHOWING LOCATION

Formation	From	To
Glacial formation	0	30
Sandrock	30	37
Ccal	37	40
Shale	40	100
Lime	100	103
Shale	103	185
Sandrock	185	200

(b) (9)

Drilling Firm Rhoades Drilling Co., Inc. Date May 1, 1964Address Canal Fulton, O. Copied by RH (5/6/64)